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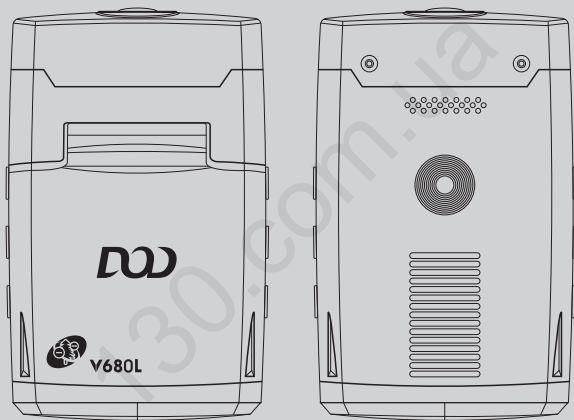
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USER MANUAL

V680L



V680L

Autogood products «130»

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Preface

Thank you for purchasing V680L high-level driving recorder, this machine will provide you with high-definition video quality matched with high-resolution HDMI output and is the best partner for your traffic safety; before use, please be sure to read this manual carefully and operate it in accordance with instruction of manual. Wish you a safe driving!

Important safety tips

- ◆ Due to high temperature inside the car in summer, while getting off the car, this machine is recommended to be removed to avoid damage of product caused from sunlight and high-temperature.
- ◆ Drivers do not operate this machine in moving of vehicle to ensure safety of driving, please!
- ◆ Prior to driving, please be sure to verify the fixed condition for base of machine to avoid damage of product caused by falling.
- ◆ Please do not wipe optical lens and this machine by using chemicals.
- ◆ In case of any abnormality occurred in use of product, please be sure to remove the power immediately and stop using of it, and do not dismantle & install it by yourself to ensure your safety.
- ◆ Please apply for accessories from original factory, and do not disassemble and refit them by your own to ensure the safety.

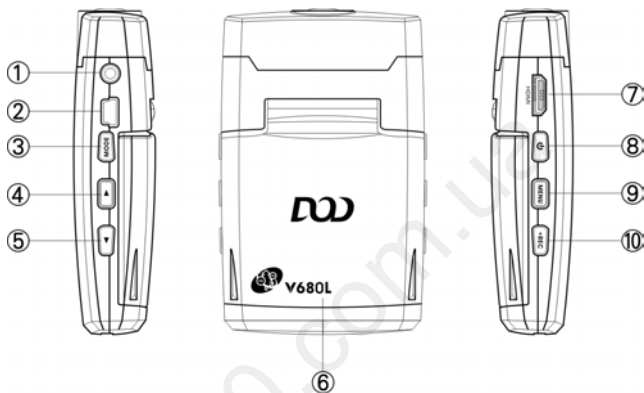
Accessories of product

- ◆ power supply for car x 1
- ◆ suction mount x 1
- ◆ AV OUT Cable x 1

Optional

- ◆ HDMI Cable x 1
- ◆ SD card x 1

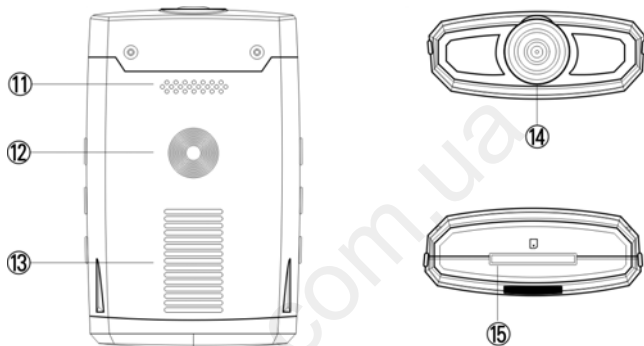
Icons of product



1. AV output port
2. USB interface of power
3. MODE button
4. Zoom In/UP
5. Zoom Out/DOWN

6. 2.4" display screen
7. HDMI output port
8. Power switch
9. MENU button /SOS lock in emergency
10. REC/ OK

Icon of product

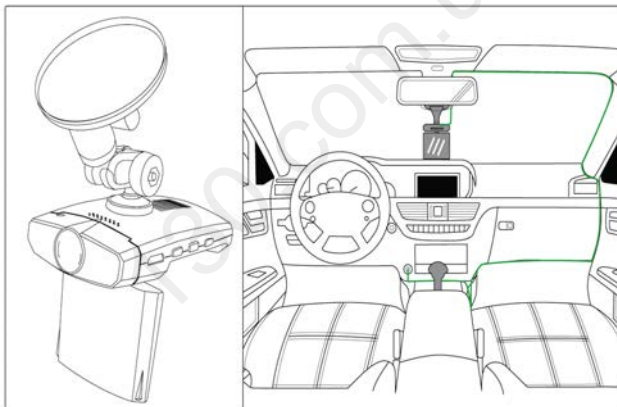


- 11. Cooling hole
- 12. Fixed hole for frame
- 13. Speaker

- 14. Optical photographic lens
- 15. Slot of SD card

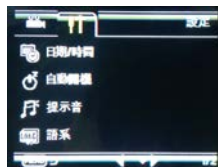
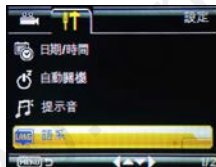
Support installation

- ◆ Please fix the frame inside inner wall of front windshield, after confirmation for correct position, please be sure to push down the fixed button of suction to prevent suction from slipping out of position and falling.
- ◆ Verify that the main machine and frame are locked completely, adjust the angle of spiral arm and host, after confirmation for an optimum angle for photography being placed, and tighten the fixed button of adjusting arm and positioning button for angle of host.



Description for operating steps

1. SD card inserting
2. Please connect USB end of car filling line with USB port of main machine, and connect socket end with the power socket of cigar lighter inside the vehicle, and set this machine to be engine starting, namely, automatic startup for photography.
3. In case of initial use, please properly set the individual basic preference in setting mode firstly, for operating steps, press **[REC]** and stop shooting→ click **[MENU]** for setting image of video recording
Press **[MENU]** twice can be advanced to application setting "**設定**".



Description for menu setting

1. Steps for application setting

A. Setting of language:

Factory setting of this machine is of English operation interface, after "IT" page is advanced, And usual language is adjusted by pressing **DOWN** and **UP** button, then press **REC** button to save the current operation.

B. Setting of date:

Put cursor in setting page for "date/time", press REC for setting of year, and then advance for setting of month after correct date is adjusted by using **UP** and **DOWN** button, and then press **MENU** for setting of next number, after all are completed for setting, press **REC** button and return to setting page.



C. Frequency setting:

Factory setting of this machine is of 50Hz/60Hz.

D. Setting for TV output:

Factory setting of this machine is of NTSC/PAL.

E. Setting for screen saver

Factory setting of this machine is of /2 minutes /5 minutes/10 minutes

F. Default:

During using, if it is required for restoring ex-factory setting, after advancing by **REC** please select "OK" to restore original factory setting of this machine.

2. Setting of video recording mode:

A. Setting of resolution:

Factory setting of this machine is of 1080I/720P/QVGA, and this mode served as optimum video recording quality is recommended.



B. Setting for repeated video recording:

Repeated video recording means that, during each period of video recording, the factory setting time of this machine is 5 minutes, namely, for 5 minutes, an image file is created and repeatedly recorded into memory card, after the capacity is fully occupied, beginning with the first file, the covering is repeatedly performed for repeated video recording; if the repeated mode for video recording is selected to be OFF, the video recording will automatically suspend after capacity of memory card is fully occupied.



C. File protection by manual:

During process of video recording, press **[MENU]** for a long term to open the file protection, at this time, upper part of screen will flash an icon of key  for 1 second to indicate that this file is under protection and will not be shielded by repeated video.

D. Setting of motion detection function

After starting of motion detection function, the relative motion in the video picture will be detected automatically. If the object motion exceed the setting motion, the machine will start video recording automatically. The trigger and recording lasts 30 seconds for every time. After recording, the main machine will detect continuously.

In the “ON” status, press **MENU** key to enter menu motion detection option. Press the up or down key to select ON/OFF. Press OK key to save the option and exit.

E. Setting of gravity sensing

Factory setting of this machine is such four options as Off/High/Middle/Low.

When the gravity sensing is open, in record mode, when vehicle is suffered from crash or impact, current video will be automatically locked so as not to be deleted by repeated video to ensure safety of important video, when selecting the option High, sensitivity to trigger locking for file is the highest and it is easy to cause locking of file, vice versa.

3. Setting of photo mode

When camera completes the procedure for startup upon powering, in camera mode, press **MODE** the symbol “” of photo mode will soon appear on the upper left corner, at this time, the photo mode has been advanced.

Aim camera at photo subject, and press up and down button for digital zoom, at this time, be sure to stably grasp the camera and do not jitter as much as possible. When you press **REC** a voice of “crash” occurs from camera, the shooting is completed.

Shooting method

In photo mode, press **MENU** for menu, and press down button for option of “shooting method”, and then press **REC** to set time of self-timer to be “Continuous capture modes, 1second, 2 seconds, 5 seconds and 10 seconds”.

4. Output mode of image:

A. SD card reading:

Place SD card inside the card reader for information identification, format of file is AVI.

B. Video output of AV:

Operating method in connecting AV line to TV by output port of AV OUT: AV line is applied to be connected with TV, while connecting, please pay attention to the color of terminal that yellow/white is required to be matched respectively; TV is required to be switched to the connecting source of video, after completion for confirmation of installation, the native machine is connected without any operation, and video will be input to TV.

C. HDMI output:

Output port of HDMI is applied to be connected with output video of TV, the operating method is the same as that applied in (B), and the video mode of TV is required to be switched to HDMI.

File Storage and Video Play

USB backup mode

In the “On” status, connect the machine with the computer by using USB cable. The screen displays "disk drive Network" which indicates the USB mode. Open “My computer” on the computer desktop. Find the stored movies in the directory of “DCIM\10020101”.

Connecting the TV to play the video

1. Connect the video camera with high image quality TV by using the HDMI cable to record/shoot/view and play the picture and video.
2. Connect the video camera with high image quality TV by using TV cable to record / shoot / view and play the picture and video.

Tips: No drive is needed to be installed. Removable disk can be used only when the video camera is on.

Description for replay of video

1. File playing

Please firstly press REC to suspend the shooting→ press **MODE** twice advancing for replay mode→ press **DOWN** **UP** to select file to be played→ press **REC** to play and pause.

2. File deleting

Firstly select file to be played by **DOWN** **UP** and press **MENU** to jump off replay menu, select→ delete→ press **REC**→select the current file→ and then select “OK” after pressing **REC** in such way, single file deleting is completed.

The function of deleting file cannot delete the file under protection. Before file deleting, it is required to stop playing video.

3. File formatting

The function of formatting will make all data in your memory card deleted (including data under protection), please be careful for operation.

Firstly press **DOWN** **UP** to select file to be played, and press **MENU** to jump off replay menu, select formatting →press **REC**→select “memory card” →and then select “OK” after pressing **REC** in such way, formatting of memory card is completed.

Timetable for video recording

Resolution	1G	2G	4G	8G	16G
1440 X 1080 (FPS15)	16 minutes	32 minutes	64 minutes	128 minutes	256 minutes
1280 X 720 (FPS30)	18 minutes	36 minutes.	72 minutes	144 minutes	288 minutes.
848 X 480 (FPS30)	35 minutes	70 minutes	140 minutes	280 minutes	560 minutes

Specification

Size of screen	2.4 inch LCD display screen
Illuminated assembly	5 million CMOS image sensor
Lens	F2.0 / 4G (120° wide angle)
Resolution of video	1440X1080/1280X720 / 848X480
Pieces can be recorded per second	1440 x 1080 (15fps) 1280 x 720 (30fps) 848 x 480 (30fps)
Compressed format	H.264
Format of file	AVI
Digital zoom	8- time digital zoom
Multilanguage	Traditional Chinese and Multilanguage
Repeated video recording	Customized setting to be 2 minutes/5minutes/off
Video output	AV input hole, HDMI output hole
Voice output	Speaker
Voice input	Microphone
Input power	DC 5V
Storage memory	SD CARD, maximum supported capacity of 32GB
Dimension	100mm x 62mm x 23mm
Weight	110g
Operating temperature	-20℃~ 80℃
Operating humidity	10% ~ 80%

前言

親愛的用戶：感謝您購買V680L高階行車記錄器，本機將為您提供高清晰的錄影品質，搭配以HDMI的高解析輸出，是您行車安全的最佳伙伴；使用前請您務必詳閱本說明書，並請依說明書指示操作，祝福您行車平安！

重要安全提示

- ◆ 夏日車內高溫，下車時建議移除本機，避免日照高溫引起產品損壞。
- ◆ 駕駛人請勿於車輛行進中操作本機，以確保行車之安全。
- ◆ 駕駛前請務必確認機台固定狀況，以避免掉落造成產品損壞。
- ◆ 請勿使用化學藥品擦拭光學鏡頭及本機。
- ◆ 產品使用中發生任何異常，請務必立即移除電源並停止使用，勿自行拆裝以確保您的權益。
- ◆ 請使用原廠配件，勿自行拆卸改裝，以確保安全。

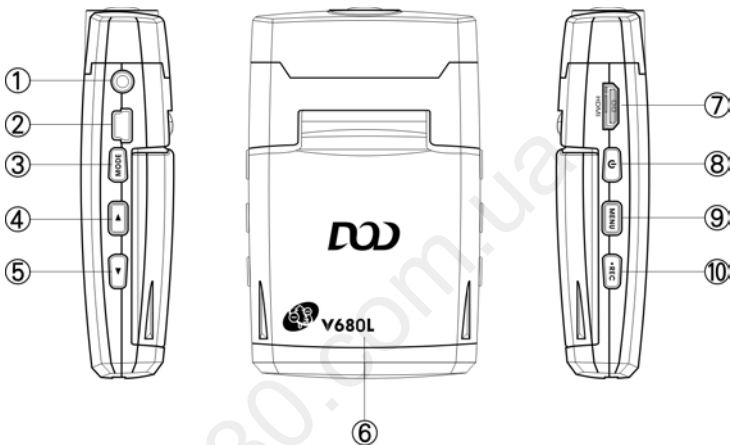
產品配件

- ◆車用電源 x 1 ◆吸盤支架 x 1 ◆AV OUT線 x 1

選配

- ◆HDMI 線 x 1 ◆SD 卡 x 1

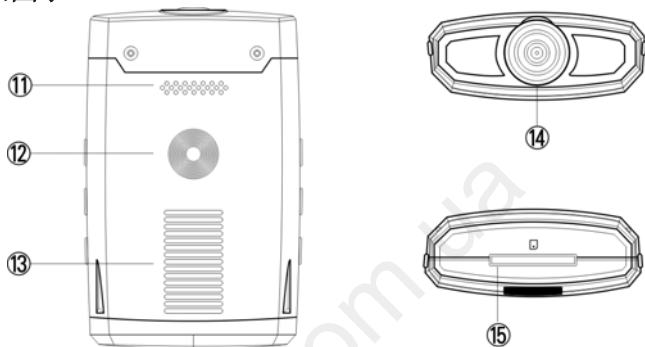
產品圖示



1. AV 輸出接孔
2. USB 電源接口
3. 模式鍵
4. 放大/UP
5. 縮小/DOWN

6. 2.4"顯示螢幕
7. HDMI 輸出接孔
8. 電源開關
9. MENU 選單鍵/SOS 緊急鎖檔
10. REC 錄影鍵/OK 鍵

產品圖示

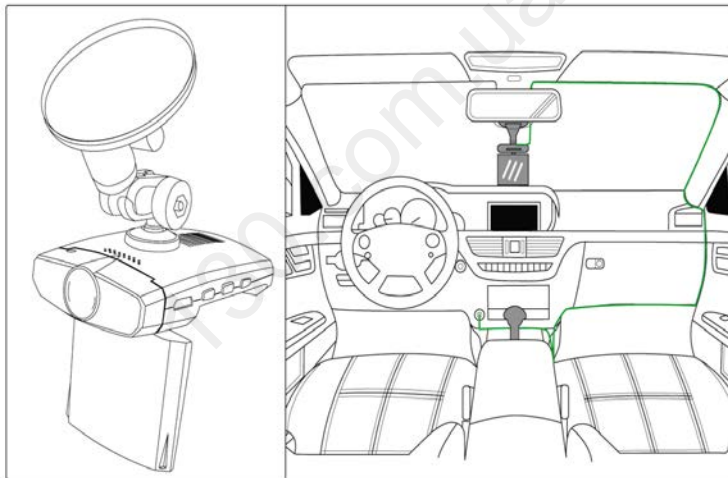


- 11. 散熱孔
- 12. 車架固定孔
- 13. 喇叭

- 14. 光學攝影鏡頭
- 15. SD卡插槽

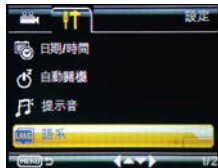
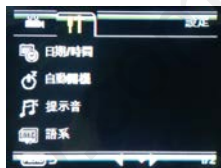
安裝支架

- ◆ 車架請固定於前擋風玻璃內壁，確認位置後請務必將吸盤固定扣下壓，避免吸盤滑脫掉落。
- ◆ 主機與車架需確認完全鎖緊，調整旋臂及主機角度，並請確認置於最適當攝影角度後，旋緊調整臂固定鈕及主機角度定位鈕。



操作步驟說明

1. 插入SD卡
2. 請將配件中的車充線USB端連接至主機USB接口，插座端連接於車內點煙器電源插座內，本機設定為引擎發動即自動開機攝影。
3. 首次使用請先進入設定模式設定個人基本喜好，操作步驟：
按 **[REC]** 停止攝影→按一下 **[MENU]** 進入錄影設定畫面，連續按二下 **[MENU]** 可進入使用設定“**[111]**”。



選單設定說明

1. 使用設定步驟:

A. 語言設定:

本機出廠設定為英文操作界面，進入“**IT**”頁面後，按 **[DOWN]** 及 **[UP]** 鍵調整至您慣用語系後按 **[REC]** 鍵儲存當前操作。

B. 日期設定:

將游標調整至“日期/時間”設定頁面，按 **[REC]** 進入年份設定，以 **[UP]** 或 **[DOWN]** 鍵調整至正確日期後按 **[MENU]** 跳至月份設定，再按 **[MENU]** 設定下一個數字，全部設定完成按 **[REC]** 鍵回設定頁面。



C. 頻率設定:

本機出廠設定為50Hz/60Hz。

D. 電視輸出設定:

本機出廠設定為NTSC/PAL。

E. 螢幕保護設定

本機出廠設定為 關/2分鐘/5分鐘/10分鐘

F. 預設值:

使用期間若需恢復出廠設定，請以 **[REC]** 鍵進入後，選擇“確認”來恢復本機原出廠設置。

2. 錄影模式設定：

A. 解析度設定：

本機出廠設定為1080I/720P/QVGA，建議此模式為最佳錄影品質。



B. 循環錄影設定：

循環錄影是指每段錄影時間，本機出廠設定為5分鐘，即每5分鐘建立一個影像檔，循環錄至記憶卡容量已滿後再循序由第一個檔案開始覆蓋，一直重複錄影；若選擇循環錄影模式為關，則記憶卡容量用滿即自動停止錄影。



C. 手動檔案保護：

在錄影過程中長按 **[MENU]** 鍵以開啟檔案保護，此時螢幕上方會閃爍一個鑰匙的圖示“🔑”約一秒鐘，表示此檔案已經被保護，不會被循環錄影所覆蓋。

D. 移動偵測功能設定

移動偵測功能開啟後會自動偵測攝影畫面中的相對位移量，若物體移動超過預設位移量則主機自動開啟錄影，每次觸發並錄影持續 30 秒，錄製完畢後主機會持續偵測。在開機狀態下，按 **[MENU]** 鍵，進入選單移動偵測選項，按上下鍵進行選擇ON/OFF，按確認鍵保存選擇及退出。

E. 重力感應設定

本機出廠設定關閉/高/中/低 四個選項

當重力感應開啟后，在錄影模式下車輛受到碰撞或者撞擊時，會自動鎖定當前影像不被循環錄影所刪除，已確保重要影片的安全，選擇高的選項時，觸發檔案鎖定的靈敏度最高，易照成檔案的鎖定，反之亦然。

3. 拍照模式設定

打開電源，攝影機完成開機程式，在攝影模式，按下 **[MODE]** 鍵，隨即左上角將出現拍照模式 “ ” 符號，此時已進入拍照模式。

將相機對準拍照主體，並可按上下鍵進行數位變焦，此時要抓穩攝影機儘量不要抖動。

按下 **[REC]** 按鈕，相機發出“咔嚓”一聲，拍照完成。

拍攝方式

在拍照模式下按下選單 **[MENU]** 鍵，然後按鍵選擇“拍攝方式”選項，再按 **[REC]** 鍵可選擇將自拍時間設置為“連拍，單張，2秒，5秒，10秒”。

4. 影像輸出模式：

A. 讀取SD卡：

將SD卡置入讀卡機內判讀資料，檔案格式為AVI。

B. AV影音輸出：

以AV OUT輸出接孔，連接AV線至電視操作方式：以AV線連接至電視，連接時請注意端子顏色黃 / 白需一對一配對；電視需切換至連接的影音源，安裝確認完成後，連接上本機，無需任何操作，影音即輸出至電視。

C. HDMI輸出：

以HDMI輸出接孔連接電視輸出影像，操作方式同(B)，電視機的視訊模式需切換至HDMI。HDMI輸出僅供影像回放時使用。

檔案儲存及視訊播放

1. USB 備份模式

開機狀態下，以USB線將機器與電腦連接後，螢幕上顯示為“磁碟機、網路攝影機，即表示已進入USB模式，打開電腦桌面“我的電腦”，在“DCIM\10020101”路徑下找到被儲存的影像。

2. 連接電視機視訊播放

A.用HDMI連接線可連接攝影機至高畫質電視機，進入錄影/拍照/流覽播放圖片及錄影。

B.用TV連接線可連接攝影機至電視機，進入錄影/拍照/流覽播放圖片及錄影。

提示：無需安裝驅動程式，在攝影機開機狀態下才能使用移動式磁碟。

影像回放說明

1. 播放檔案

請先按 **[REC]** 停止攝影→按兩次 **[MODE]** 進入回放模式→ **[DOWN]** **[UP]** 選擇要播放的檔案→按 **[REC]** 播放及暫停。

2. 刪除檔案

先用 **[DOWN]** **[UP]** 選擇要播放的檔案，按 **[MENU]** 鍵跳出回放選單，選擇刪除 → 按 **[REC]** 鍵→選擇目前檔案→再按 **[REC]** 鍵後選擇“確認”即完成刪除單一檔案。刪除檔案功能無法刪除被保護的檔案。刪除檔案前需先停止播放影片。

3. 格式化檔案

格式化功能會將你記憶卡中的資料全部刪除（包含被保護的資料），請小心操作。先用 **[DOWN]** **[UP]** 選擇要播放的檔案，按 **[MENU]** 鍵跳出回放選單，選擇格式化 → 按 **[REC]** 鍵→選擇“記憶卡”→再按 **[REC]** 鍵後選擇“確認”即完成格式化記憶卡。

錄影時間表

解析度 Resolution	1G	2G	4G	8G	16G
1440 X 1080 (FPS15)	16分	32分	64分	128分	256分
1280 X 720 (FPS30)	18分	36分	72分	144分	288分
848 X 480 (FPS30)	35分	70分	140分	280分	560分

規格

螢幕尺寸	2.4吋LCD顯示螢幕
感光元件	500萬CMOS影像感測器
鏡頭	F2.0 / 4G(廣角120度)
影像解析度	1440X1080/1280X720 / 848X480
每秒可錄影張數	1440 x 1080 (15fps) 1280 x 720 (30fps) 848 x 480 (30fps)
壓縮格式	H.264
檔案格式	AVI
數位變焦	8倍數位變焦
多國語言	繁體中文及多國語言
循環錄影	可自行設定2分鐘 / 5分鐘/關
影像輸出	AV 輸出孔、HDMI輸出孔
聲音輸出	喇叭
聲音輸入	麥克風
電源輸入	DC 5V
儲存記憶體	SD CARD, 最大支援容量32GB
尺寸	100mm x 62mm x 23mm
重量	110g
工作溫度	-20℃ ~ 80℃
工作溼度	10% ~ 80%

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